

Samuel C. Phillips

A Register of His Papers in the Library of Congress

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**Revised by Karen Linn Femia with the assistance of
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Manuscript Division, Library of Congress

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**Finding aid encoded by Library of Congress
Manuscript Division, 2004**

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Collection Summary

Title: Papers of Samuel C. Phillips

Span Dates: 1929-1990

Bulk Dates: (bulk 1958-1989)

ID No.: MSS80934

Creator: Phillips, Samuel C. (Samuel Cochran), 1921-1990

Extent: 67,200 items; 174 containers plus 1 oversize plus 1 classified; 49.6 linear feet; 11 microfilm reels

Language: Collection material in English

Repository: Manuscript Division, Library of Congress, Washington, D.C.

Abstract: United States Air Force officer, space agency official, intelligence agency director, and defense industry executive. Correspondence, diaries, memoranda, reports, family and personal papers, and photographs documenting Phillips's career in the United States Air Force where he specialized in ballistics and weapons research; as director of Project Apollo (U.S.), the lunar landing program of the National Aeronautics and Space Administration; and as an executive with TRW Inc. and other defense contracting firms. Includes material on the Minuteman intercontinental ballistic missile system, atomic weapons tests, Saturn Project (U.S.) (rocket development), the Superconducting Super Collider, the Strategic Defense Initiative, and other defense and aeronautical projects.

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

Names:

Phillips, Samuel C. (Samuel Cochran), 1921-1990

Project Apollo (U.S.)

TRW Inc.

United States. National Aeronautics and Space Administration

Subjects:

Ballistics

Cold War

Defense industries--United States

Intercontinental ballistic missiles

Military weapons

Minuteman (Missile)

Nuclear weapons--Testing

Project Saturn

Rockets (Aeronautics)

Space flight to the moon

Space race--Soviet Union

Space race--United States

Strategic Defense Initiative

Superconducting Super Collider

Occupations:

Air Force officers

Executives

Public officials

Administrative Information

Provenance:

The papers of Samuel C. Phillips, U.S. Air Force general, space agency director, intelligence agency director, and defense industry official, were given to the Library of Congress by his wife in 1991 and 1993.

Processing History:

The papers of Samuel C. Phillips were arranged and described in 1996. The finding aid was revised in 2004.

Transfers:

Items have been transferred from the Manuscript Division to other custodial divisions of the Library. Audio and video recordings have been transferred to the Motion Picture, Broadcasting, and Recorded Sound Division. Maps and charts have been transferred to the Geography and Map Division. Musical scores have been transferred to the Music Division. All transfers are identified in these divisions as part of the Samuel C. Phillips papers.

Copyright Status:

Copyright in the unpublished writings of Samuel C. Phillips in these papers and in other collections of papers in the custody of the Library of Congress has been dedicated to the public.

Security Classified Documents:

Government regulations control the use of security classified items in this collection. Manuscript Division staff can furnish information concerning access to and use of classified material.

Microfilm:

The microfilm in these papers was produced by the United States Air Force Historical Research Agency and is included in the collection as its own series. It contains classified material and is not available for general research use.

Preferred Citation:

Researchers wishing to cite this collection should include the following information: Container or reel number, Samuel C. Phillips Papers, Manuscript Division, Library of Congress, Washington, D.C.

Biographical Note

| <i>Date</i> | <i>Event</i> |
|---------------|---|
| 1921, Feb. 19 | Born, Springerville, Ariz. |
| 1942 | B.S., University of Wyoming, Laramie, Wyo. Married Betty Anne Brown Pilot trainee, United States Army Air Corps flying school |
| 1943-1945 | Pilot, United States Army Air Corps, England |
| 1945-1947 | Military officer, European theater headquarters, Frankfurt, Germany |
| 1947-1948 | Operations director, Langley Air Force Base, Va. |
| 1950 | M.S., University of Michigan, Ann Arbor, Mich. |
| 1950-1951 | Guided missile research and development project engineer, Wright-Patterson Air Force Base (Ohio) |
| 1951 | Electronics officer, joint task group 342, Operation Greenhouse atomic weapons tests, Eniwetok atoll |
| 1952 | Chief, bomber defense branch, Armament Laboratory, Wright-Patterson Air Force Base (Ohio) |
| 1952-1954 | Assistant chief and chief of operations, Armament Laboratory, Wright-Patterson Air Force Base (Ohio) |
| 1954-1955 | Chief, B-52 weapon system project office, Wright-Patterson Air Force Base (Ohio) |

| | |
|---------------|--|
| 1955 | Chief, bombardment aircraft division, Wright-Patterson Air Force Base (Ohio) |
| 1955-1956 | Chief, fighter missiles and drones division, Wright-Patterson Air Force Base (Ohio) |
| 1957-1959 | Logistics chief and materiel director, United States Air Force Strategic Air Command, England |
| 1959-1963 | Director, Minuteman intercontinental ballistic missile program, Los Angeles, Calif. |
| 1963 | LL.D., University of Wyoming, Laramie, Wyo. |
| 1963-1964 | Vice commander, ballistic systems division, Norton Air Force Base (Calif.) |
| 1964 | Deputy director, Project Apollo (U.S.), manned lunar landing program, National Aeronautics and Space Administration, Washington, D. C. |
| 1964-1969 | Director, Project Apollo (U.S.), manned lunar landing program, National Aeronautics and Space Administration, Washington, D. C. |
| 1969-1972 | Commander, Space and Missile Systems Organization (U.S.), Los Angeles, Calif. |
| 1972-1973 | Director, United States National Security Agency, Fort George G. Meade (Md.) |
| 1973-1975 | Commander, United States Air Force Systems Command, Andrews Air Force Base (Md.) |
| 1975-1976 | Vice president and general manager, Energy Systems Management Division, TRW Inc., El Segundo, Calif. |
| 1976-1983 | Vice president and general manager, Energy Products Group, TRW Inc., El Segundo, Calif. |
| 1978-1979 | Consultant, National Aeronautics and Space Administration |
| 1980 | Member, National Aeronautics and Space Administration transition team, Office of the President-Elect |
| 1984-1986 | Vice president, Defense Systems Group, TRW Inc., Redondo Beach, Calif. |
| 1984-1987 | Member, Titan III independent review panel |
| 1986-1989 | Member, National Aeronautics and Space Administration Management Study Group, National Academy of Public Administration |
| 1987 | Member, National Aeronautics and Space Administration Advisory Council |
| 1987-1988 | Member, strategic defense management review panel |
| 1990, Jan. 31 | Died, Palos Verdes Estates, Calif. |

Scope and Content Note

The papers of Samuel Cochran Phillips (1921-1990) span the years ca. 1929-1991, with the bulk of the items concentrated in the period 1958-1989. Phillips witnessed several of the seminal events of the post-World War II Cold War period,

including Soviet consolidation in Europe and American atomic weapons testing in Oceania. He assisted in developing guided missile and other armament technologies and directed the nation's intercontinental ballistic missile and manned lunar landing programs. He ended his career as an executive of TRW Inc., a large defense firm. Phillips's papers are organized into the following series: [Personal and Family Papers](#), [United States Air Force](#), [National Aeronautics and Space Administration](#), [Subject File](#), [Classified](#), [Classified Microfilm](#), and [Oversize](#).

Phillips's papers include correspondence and memoranda, reports, and diaries documenting the competition which characterized relations between the United States and the Soviet Union during the Cold War. They are more complete for the latter portion of his career, offering significant detail concerning the Minuteman intercontinental ballistic missile system, the National Aeronautics and Space Administration (NASA) manned lunar landing program, and Phillips's work at TRW Inc., a prominent defense contractor. The papers are less substantial regarding his association with atomic weapons tests at Eniwetok atoll in 1951 and his work establishing the B-52 long-range bomber as a viable armament. They contain almost no information regarding his brief stint as National Security Agency chief. Phillips's "systems management" technique, an administrative hallmark for which he and the programs he administered became well known, figures prominently in the Minuteman and NASA materials.

The papers are chiefly professional in nature, but a [Personal and Family Papers](#) series includes material related to general family matters such as finances, homes, hobbies, automobiles, friends, and the marriages of Phillips's daughters.

Photographs record the infancies and youths of the daughters as well as other family members and special events. Of particular interest are several oversize electrical and schematic diagrams by Phillips of the family's home in Washington, D. C., illustrating his attention to detail and holistic view of systems and organizations.

Phillips served in the United States Air Force (USAF) until he became a private sector defense official. All papers related to the USAF except those regarding his assignment to NASA appear in the [USAF File](#). Documentation regarding Phillips's role developing early guided missile technology, drone aircraft, F-111 and A-10 combat aircraft, and B-52 long-range bomber aircraft is sparse. Documentation regarding the development and implementation of the Minuteman intercontinental ballistic missile is substantial, however, and that regarding the Titan III launch system is only slightly less so. Phillips's post-NASA assignments made use of his management and administrative abilities as he became commander first of the Space and Missile Systems Organization and then of the Air Force Systems Command. The files from these latter assignments are administrative in content, reflecting the nature of his postings. Phillips made extensive use of chronological files consisting of correspondence and memoranda regarding many subjects. Additionally, he kept detailed notes regarding most subjects and often interfiled correspondence or memoranda with these notes.

The [NASA File](#) constitutes the bulk of the papers. Phillips directed the Project Apollo (U.S.) component of the manned lunar landing program which was charged with developing the spacecraft to transport astronauts from earth's orbit to the moon. In the early years of the lunar landing endeavor, however, much of the emphasis was on a related component, Saturn Project (U.S.), which involved developing the massive rockets necessary to boost astronauts and their spacecraft into orbit. The [NASA File](#) traces the developmental focus as it shifted from Saturn to Apollo. Saturn files detail rocket and launch system components, systems, tests, and flights. Apollo files detail spacecraft components, systems, tests, flights, lunar exploration and operations, and personnel and administrative issues. The files include correspondence with corporate contractors who designed, built, or operated program and hardware components, such as North American Aviation (now Rockwell International) and Grumman Aircraft Engineering Corp. (now Northrop Grumman). An Apollo spacecraft test which killed three astronauts in 1967 is extensively documented. Later files from Phillips's role as consultant and advisor to the space agency include a report he authored regarding the efficiency of agency management.

Papers regarding Phillips's association with institutional and nongovernmental organizations make up the [Subject File](#). A major part of this file relates to the administration and activities of TRW Inc., the defense firm which Phillips joined after his retirement from the air force. Two of TRW Inc.'s most lucrative government contracts during the 1980s concerned the United States Dept. of Energy's superconducting super collider project and the United States Dept. of Defense's Strategic Defense Initiative. Many of these files address the administration and conduct of both contracts.

The [Classified Microfilm File](#) consists of eleven reels reproducing Phillips's office files from the USAF Minuteman and NASA manned lunar landing projects and from the USAF Space and Missile Systems Organization. The film includes general correspondence, memoranda, reports, and speeches. The microfilm was filmed by the USAF Historical Research Agency prior to shipment to the Library of Congress. This material was subsequently organized and described in this finding aid as the United States Air Force and the National Aeronautics and Space Administration series. The arrangement of the material on the microfilm reflects its order at the time of filming, which was roughly chronological and thereunder alphabetical. Government security classified information is scattered throughout the reels, and the microfilm is housed in a secure location.

Organization of the Papers

The collection is arranged in seven series:

- Personal and Family Papers, ca. 1929-1975, n.d.
- United States Air Force, 1942-1989, n.d.
- National Aeronautics and Space Administration, 1963-1990, n.d.
- Subject File, 1942-1990, n.d.
- Classified, 1964-1975
- Classified Microfilm, 1961-1977
- Oversize, 1942-1968

Description of Series

| <i>Container</i> | <i>Series</i> |
|-------------------|--|
| BOX 1-5 | <u>Personal and Family Papers, ca. 1929-1975, n.d.</u> Correspondence, photographs, and printed matter regarding Phillips, his wife, their respective families, and their children. Arranged alphabetically by type of material and thereunder chronologically. |
| BOX 6-39 | <u>United States Air Force, 1942-1989, n.d.</u> Correspondence, memoranda, reports, notes, and related material regarding the development and implementation of air-based defensive and offensive weapons systems. Arranged alphabetically by subject and thereunder chronologically. |
| BOX 40-131 | <u>National Aeronautics and Space Administration, 1963-1990, n.d.</u> Correspondence, memoranda, reports, notes, minutes of meetings, maps, charts, clippings, and other printed matter. Arranged chronologically by year and thereunder alphabetically by subject. |
| BOX 131-174 | <u>Subject File, 1942-1990, n.d.</u> Correspondence, memoranda, reports, notes, photographs, and printed matter. Arranged alphabetically by subject. |
| BOX CL 1 | <u>Classified, 1964-1975</u> Classified material consisting mostly of correspondence, memoranda, reports, and printed matter. Organized and described according to the series, folders, and boxes from which the items were removed. |
| REEL CLM 1-CLM 11 | <u>Classified Microfilm, 1961-1977</u> Microfilm of Phillips's files relating to the United States Air Force (USAF) Minuteman missile project and National Aeronautics and Space Administration Project Apollo. Reproduced by the USAF Historical Research Agency from original material prior to shipment to the Library of Congress. Arranged according to original order, which was roughly chronological and thereunder alphabetical. *Microfilm shelf no. 21,466 |
| BOX OV 1 | <u>Oversize, 1942-1968</u> Oversize material consisting mostly of architectural drawings, artwork, certificates, photographs, and printed matter. Organized and described according to the series, folders, and boxes from which the items were removed. |

Container List

| <i>Container</i> | <i>Contents</i> |
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| BOX 1-5 | <p>Personal and Family Papers, ca. 1929-1975, n.d.</p> <p>Correspondence, photographs, and printed matter regarding Phillips, his wife, their respective families, and their children.</p> <p>Arranged alphabetically by type of material and thereunder chronologically.</p> |
| BOX 1 | <p>Address books and cards, 1962, n.d.</p> <p>Artwork by Betty Anne Brown, n.d. <i><u>See also Oversize</u></i></p> <p>Automobiles</p> <p>Biographical, 1945-1974</p> <p>Clippings, 1954-1973, n.d.</p> <p>Correspondence</p> <p>Family</p> <p>Brown family, 1945-1974, n.d.</p> <p>Cochran, Gertrude E. (grandmother), 1949-1973, n.d.</p> <p>Culpepper, Donnie Dale (son-in-law), 1965-1966</p> <p>Norcross and Phillips families, 1966, n.d.</p> <p>Phillips</p> <p>Betty Anne (wife), 1974</p> <p>Connie (sister), 1949</p> <p>Dana Kay (daughter), 1963-1971, n.d.</p> <p>Janie Dale (daughter), 1961-1966, n.d.</p> <p>Kathleen (daughter), 1960-1970, n.d.</p> <p>Mabel (mother), 1949-1975 (2 folders)</p> <p>Miscellaneous, 1945-1989, n.d. (2 folders)</p> |
| BOX 2 | (10 folders) |

Personal and Family Papers, ca. 1929-1975, n.d.

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| | Washington, D.C., 1964-1972, n.d. <u><i>See also Oversize</i></u> (4 folders) |
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| | Cheyenne High School, Cheyenne, Wyo., and University of Wyoming, Laramie, Wyo., 1938-1942 |
| | University of Michigan, Ann Arbor, Mich. |
| | Class notes, 1949, n.d. |
| | Correspondence, etc., 1948-1951 |
| | Social events with directional maps, 1972-1974, n.d. |
| | World War II rations and pay cards, 1945, n.d. |
| BOX 6-39 | United States Air Force, 1942-1989, n.d. Correspondence, memoranda, reports, notes, and related material regarding the development and implementation of air-based defensive and offensive weapons systems. Arranged alphabetically by subject and thereunder chronologically. |
| BOX 6 | A-10 Fairchild combat aircraft production problems |
| | Complaint by John R. Smith, 1974 |
| | DSARC (Defense Systems Acquisitions Review Council), review, 1974 |
| | Letter to John C. Stennis, 1974 |
| | Reports by |
| | Ellis, R. H., 1974 |
| | Hails, Robert E., 1971-1974 (4 folders) |
| | Rogers, F. M., 1974 |
| | Reprimands, 1974 |
| | Aerospace Corp., 1971 |
| | Air Research and Development Command tours, 1954 |
| | Air Staff organizational chart, 1975 |

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| | Armed Forces Management Association, 1968-1970 |
| | B-1 bomber aircraft, 1973-1974 (2 folders) |
| BOX 7 | B-57 light bombardment aircraft, 1954-1955, n.d. |
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| | General |
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| | Vouchers, 1959-1964 (5 folders) |
| | Miscellany, 1963 |
| | Uniformed officer record, 1962-1963 |
| | Minuteman intercontinental ballistic missile |
| | Aerospace Division photographic record, n.d. (1 folder) (2 folders) |
| BOX 8 | |
| | Agendas, 1961-1963, 1970 |
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| | Contractors, list of, 1963 |
| | Correspondence |
| | General, 1960-1964, 1972 |
| | Minuteman, 1960-1963 (3 folders) |
| | Costs |
| | Correspondence, 1961-1963 (2 folders) |
| BOX 11 | Eger, Charles H., Jr., "Minuteman Financial History, 1955-1963," 1963 |
| | Notes, 1961-1963, n.d. (4 folders) |
| | Reports and other documents, 1962-1963 |
| | Defense of Minuteman against Soviet missiles, 1970 |
| | Films, 1962 |
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| BOX 12 | (2 folders) |
| | History, 1962-1967, 1983-1987 |
| | Interviews, 1962-1963 |
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Whiteman Air Force Base, Mo., 1962, Apr. 14

Autonetics, 1962, Oct. 2

Cheyenne group visit, Warren Air Force Base, Wyo., 1963, Apr. 19

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| | Systems management |
| | Miscellany, 1957-1964, n.d. |
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| BOX 19 | Monterey, Calif., meeting follow through, 1962 |
| | Rubel, John H., viewpoints, 1961-1962 |
| | Taylor, Maxwell D., “overkill” statement, 1962 |
| | Television interview with Gale McGee, 1962 |
| | Tenth anniversary, ca. 1971 |
| | Thiokol Chemical Corp. |
| | Miscellany, 1961-1962 |
| | <i>Solid Ground</i> , 1962-1963 |
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| | Biographical, 1954-1963 |
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| | Civilian scientists' promotions, 1973 |
| | "Corona" Commanders' Conferences, 1973-1975 (3 folders) |
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| | Education |
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| | Air Command and Staff School, 1949-1951 |
| | Air Force Management Manpower Training Program, 1952-1953 (3 folders) |
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| | Graduate training applications, 1947-1948 |
| | Industrial College of the Armed Forces, 1959 |
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(2 folders)

“A Guide for Professional Reading by Air Force Officers,” 1950

Hage, Gregg, 1974-1975

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Hinds, John, *Ace in the Hole*, draft, n.d.

Joint Logistics Commanders meetings, 1974-1975
(5 folders)

Leadership and command, 1946-1975

LeMay, Curtis E., interview, 1963

Martin, [?], American Institute of Aeronautics and Astrophysics paper, 1972 *See Classified*

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Office of Special Investigations, re O'Neil, 1971

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| | Pilot training and qualification |
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| | Printed matter, 1941-1966 (1 folder) |
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| | Correspondence, 1958-1973 (2 folders) |
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| | Records transferral, ca. 1976 |
| | Retired generals rosters, 1975-1982 |
| | Retirement, 1975 (3 folders) |
| | Rockwell International, special AFSATCOM on-satellite test, ca. 1960s |
| | Schultz, Kenneth W., retirement, 1975 |
| | Scientific Advisory Board, 1957, 1968-1977 <i><u>See also Classified</u></i> (2 folders) |
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| | Service cards, 1952-1967, n.d. |
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| | Space and Missile Systems Organization (SAMSO) |
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| | Brochure, 1968-1970 |
| | Canton Island, Phoenix Islands, importance of, 1971 |
| | Change of command, 1969 (3 folders) |
| BOX 32 | Correspondence, 1969-1972 (3 folders) |
| | Greenwood, John T., "The Air Force Ballistic Missile and Space Program, 1954-1974" |
| | Inter-American Chiefs Conference, 1970 |
| | Kirtland Air Force Base, N.Mex., and Los Alamos, N.Mex., visit, 1971 |
| | Mayors tour, 1972 |
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Background, 1983-1986

Correspondence, 1987

Meeting manual, 1987

Various, 1985-1987

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| | President's Space Task Group, staff director's committee conference, Warrenton, Va., June 12 |
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| | United States Air Force |
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| | "Corona" commanders' conference, Ramey Air Force Base, P. R., Jan. 22-26 |
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| | NASA/USAF memorandum of agreement re manned space flight |
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| | Manned Lunar Landing Program |
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| | 1972 |
| | Manned Lunar Landing Program, Project Apollo, Flights, Apollo 17 |
| | Space program plans, goals, and objectives |
| | 1973, Project Apollo, "The Apollo Spacecraft: A Chronology," vol. III, draft copy (2 folders) |

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| | Murray, Charles, <i>Apollo</i> , drafts |
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| | NASA Management Study Group, National Academy of Public Administration |
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| | NASA Management Study Group, National Academy of Public Administration, report re commercially developed space facility |
| | 1990, NASA Management Study Group, National Academy of Public Administration, report re commercially developed space facility |
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| | “Chariots for Apollo: A History of Lunar Spacecraft,” draft copy (3 folders) |
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1963, Apr. 30, Pasadena Chamber of Commerce, Pasadena, Calif.

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Aug. 3, University of California, Los Angeles, Calif., 1965-1966

Aug. 7, American Bar Association, Committee on Law of Outer Space seminar, Miami Beach, Fla.

Aug. 25, Utah Committee on Industrial and Employment Planning, Salt Lake City, Utah

Oct. 19, Electronic Industries Association, Washington, D.C., 1964-1965

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Feb. 15, Air Force Association, Billy Mitchell Chapter, Milwaukee, Wis.

Mar. 1, National Conference on Space Maintenance and Extra-vehicular Activities, Orlando, Fla.

Sept. 13, First Annual Logistics Management Symposium, Huntsville, Ala.

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Apr. 26, Engineering management seminar, George Washington University, Washington, D.C.

Aug. 5, graduation, 3615 pilot training wing, Craig Air Force Base, Ala.

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| | Aug. 21, Armed Forces Management Association, Los Angeles, Calif. |
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| | Aug. 11, second star-pinning of Evelle J. Younger, Los Angeles, Calif. |
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| | Nov. 12, Defense Systems Application Program, Los Angeles Air Force Station, Calif. |
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| | Mar. 8, Defense Contract Administration Services, Los Angeles Region, Long Beach, Calif. |
| | June 8, Reserve Officers Training Corps, California Institute of Technology, Pasadena, Calif. |
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| | Jan. 19, Chamber of Commerce, San Angelo, Calif. |
| | Oct. 17, Chief Sorcerers and Apprentices Dinner, Bolling Air Force Base, Washington, D.C. |
| | Nov. 14, National Security Industrial Association, Washington, D.C. |
| | Dec. 15, Graduation address, United States Air Force Test Pilot School, Edwards Air Force Base, Calif. |
| | 1974 |
| | Jan. 22, Air Force Systems Command Top Three Council, Andrews Air Force Base, Md. |
| | Jan. 30, American Institute of Aeronautics and Astronautics, Washington, D.C. |
| | Feb. 20, Air Force Systems Command Procurement Conference, Andrews Air Force Base, Md. |
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| | Apr. 19, Rotary Club, San Diego, Calif. |
| | May 5, Joint Logistic Commanders Electronic System Reliability Workshop, Airlie, Va. |
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| | June 25, Defense Systems Management School, Fort Belvoir, Va. |
| | 1979, July 2, Swedish Embassy, Washington, D.C., 1978-1979 |
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| BOX CL 1 | Classified, 1964-1975 |
| | Classified material consisting mostly of correspondence, memoranda, reports, and printed matter. |

Organized and described according to the series, folders, and boxes from which the items were removed.

BOX CL 1

United States Air Force

General Officers Selection Board, 1970-1973 ([Container 25](#))

Martin, [?], American Institute of Aeronautics and Astronautics paper, 1972 (Container 26)

Scientific Advisory Board, 1969 ([Container 29](#))

Systems Command

Budgets, 1975 ([Container 34](#))

Correspondence, 1971 ([Container 34](#))

National Aeronautics and Space Administration

1964

Manned Lunar Landing Program

Chronological file ([Container 41](#))

1965

Manned Lunar Landing Program

Applications ([Container 47](#))

Bureau of the Budget ([Container 48](#))

1967

Manned Lunar Landing Program

Office of Manned Space Flight, executive sessions ([Container 67](#))

Project Apollo

Executives meetings ([Container 68](#))

Flights

Schedule ([Container 76](#))

Launch schedule ([Container 76](#))

Lunar landing mission

Meeting, Houston, Tex. ([Container 76](#))

Program directives ([Container 78](#))

1968

Manned Lunar Landing Program

Chronological file ([Container 81](#))

Personnel

Military ([Container 84](#))

Project Apollo

Executives meeting ([Container 85](#))

Flights

Apollo 8

General ([Container 87](#))

Mission failure contingency plan (Container 91)

Polar Orbiting Geophysical Observatory ([Container 92](#))

Project Saturn

Launch vehicles

Vehicles

Saturn V ([Container 92](#))

1969

Manned Lunar Landing Program

Project Apollo

Flights

Apollo 11

Readiness ([Container 113](#))

REEL CLM 1-CLM 11 Classified Microfilm, 1961-1977

Microfilm of Phillips's files relating to the United States Air Force (USAF) Minuteman missile project and National Aeronautics and Space Administration Project Apollo. Reproduced by the USAF Historical Research Agency from original material prior to shipment to the Library of Congress.

Arranged according to original order, which was roughly chronological and thereunder alphabetical. *Microfilm shelf no. 21,466

REEL CLM 1-CLM 3 United States Air Force, Ballistic Systems Division, Minuteman intercontinental ballistic missile, 1961-1964

REEL CLM 4-CLM 5 National Aeronautics and Space Administration, Manned Lunar Landing Program

1966-1967

REEL CLM 6-CLM 7 1967

REEL CLM 8 1968

REEL CLM 9 National Aeronautics and Space Administration, Manned Lunar Landing Program

1968 (includes United States Air Force Systems Command, 1972-1974, 1977)

REEL CLM 10 1968-1969

REEL CLM 11 1969

BOX OV 1 Oversize, 1942-1968

Oversize material consisting mostly of architectural drawings, artwork, certificates, photographs, and printed matter.

Organized and described according to the series, folders, and boxes from which the items were removed.

BOX OV 1 Personal and Family Papers

Artwork, ca. 1950s-ca. 1960s ([Container 1](#))

Residences, Washington, D.C., 1964 ([Container 4](#))

United States Air Force

Ballistic Systems Division

Minuteman intercontinental ballistic missile

Photographs, ca. 1960s ([Container 15](#))

Staffing, n.d. ([Container 18](#))

Commission

Promotions and congratulatory letters, 1968 ([Container 29](#))

Subject File

United States Army

Infantry school, Fort Benning, Ga., 1942 ([Container 173](#))